IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants

S. Sean Moore et al.

Application No.:

09/823,588 Confirmation No.: 6830

Filed

March 31, 2001

For

SYSTEM AND METHOD FOR METADATA-LINKED

ADVERTISEMENTS

Group Art Unit :

2661

Examiner

Not yet assigned

New York, New York October 11, 2001

Commissioner for Patents Washington, D.C. 20231

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TRANSMITTAL LETTER FOR

INFORMATION DISCLOSURE STATEMENT Technology Center 2100

Sir:

Transmitted herewith is an Information Disclosure Statement in the above-identified application. This Statement is submitted:

- [ ] within three months of the application filing date;
- more than three months from the [X]application filing date but before the mailing date of the first Office Action on the merits.

In accordance with 37 C.F.R. § 1.97, submission of this Statement requires no fee. However, if for any reason a fee is due, the Director of the U.S. Patent and Trademark Office is hereby authorized to charge payment

of any fees required in connection with this Information
Disclosure Statement to Deposit Account No. 06-1075. A
duplicate copy of this letter is transmitted herewith.

Respectfully submitted,

Scott H. Kaliko

Registration No. 45,786

Agent for Applicants

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PATENTS UV-192

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicants

S. Sean Moore et al.

OCT 3 0 2001

Application No.:

09/823,588 Confirmation No.: 683 Technology Center 2600

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For

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#### INFORMATION DISCLOSURE STATEMENT

**Technology** Center 2100

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97, applicants wish to call the attention of the Examiner to the following patents and patent publications:

#### The Patents and Patent Publications

#### Section A

#### U.S. Patent Documents

| Carr et al.      | U.S. | Patent No. | 6,209,129 | (03/27/01) |
|------------------|------|------------|-----------|------------|
| Matthews et al.  |      | Patent No. |           | (02/15/00) |
| Neel et al.      | U.S. | Patent No. | 5,838,314 | (11/17/98) |
| Brenner et al.   | U.S. | Patent No. | 5,830,068 | (11/03/98) |
| Brown            | U.S. | Patent No. | 5,805,154 | (09/08/98) |
| Alten et al.     | U.S. | Patent No. | 5,781,246 | (07/14/98) |
| Hendricks et al. | U.S. | Patent No. | 5,734,853 | (03/31/98) |
| Lawler et al.    | U.S. | Patent No. | 5,699,107 | (12/16/97) |
| Hendricks et al. | U.S. | Patent No. | 5,682,195 | (10/28/97) |
| Hendricks et al. | U.S. | Patent No. | 5,659,350 | (08/19/97) |
| Alten et al.     | U.S. | Patent No. | 5,635,978 | (06/03/97) |
| Youman et al.    | U.S. | Patent No. | 5,629,733 | (05/13/97) |
| Hendricks et al. | U.S. | Patent No. | 5,600,573 | (02/04/97) |
| Hendricks et al. | U.S. | Patent No. | 5,600,364 | (02/04/97) |

| Knee et al.      | U.S. | Patent | No. | 5,589,892 | (12/31/96) |
|------------------|------|--------|-----|-----------|------------|
| Harper et al.    | U.S. | Patent | No. | 5,585,858 | (12/17/96) |
| Hendricks et al. | U.S. | Patent | No. | 5,559,549 | (09/24/96) |
| Davis et al.     | U.S. | Patent | No. | 5,559,548 | (09/24/96) |
| Levitan          | U.S. | Patent | No. | 5,534,911 | (07/09/96) |
| Marshall et al.  | U.S. | Patent | No. | 5,523,796 | (06/04/96) |
| Hoarty           | U.S. | Patent | No. | 5,485,197 | (01/16/96) |
| Strubbe et al.   | U.S. | Patent | No. | 5,483,278 | (01/09/96) |
| Graves et al.    | U.S. | Patent | No. | 5,410,344 | (04/25/95) |
| Harvey et al.    | U.S. | Patent | No. | 5,335,277 | (08/02/94) |
| Vogel            | U.S. | Patent | No. | 5,253,066 | (10/12/93) |
| Strubbe          | U.S. | Patent | No. | 5,223,924 | (06/29/93) |
| Harvey et al.    | U.S. | Patent | No. | 4,694,490 | (09/14/87) |

## Section B

### Foreign Patent Documents

| PCT | WO   | 01/58158 | (08/09/01) |
|-----|------|----------|------------|
| PCT | WO   | 01/50743 | (07/12/01) |
| PCT | WO   | 01/46869 | (06/28/01) |
| PCT | . WO | 01/19086 | (03/15/01) |
| PCT | WO   | 00/79798 | (12/28/00) |
| PCT | WO   | 00/02380 | (01/13/00) |
| PCT | WO   | 99/60789 | (11/25/99) |
| PCT | WO   | 99/60783 | (11/25/99) |
| PCT | WO   | 99/56466 | (11/04/99) |
| PCT | WO   | 99/45702 | (09/10/99) |
| PCT | WO   | 99/45700 | (09/10/99) |
| PCT | WO   | 99/30491 | (06/17/99) |
| PCT | WO   | 98/39893 | (09/11/98) |
| PCT | WO   | 98/27723 | (06/25/98) |
| PCT | WO   | 98/06219 | (02/12/98) |
| PCT | WO   | 98/00976 | (01/08/98) |
| PCT | WO   | 98/00975 | (01/08/98) |
| PCT | WO   | 97/49242 | (12/24/97) |
| PCT | WO   | 97/48230 | (12/18/97) |
| PCT | WO   | 97/4276  | (11/13/97) |
| PCT | WO   | 97/29458 | (08/14/97) |
| PCT | WO   | 97/19555 | (05/29/97) |
| PCT | WO   | 96/41478 | (12/19/96) |
| PCT | WO   | 96/34491 | (10/31/96) |
| PCT | WO   | 94/14284 | (06/23/94) |

# Section C

## Other Documents

"OpenTV Launches OpenStreamer" Technology for Broadcasters to Deliver First Ever Real-Time Digital Interactive Television", from the Internet at

http://www.opentv.com/news/openstreamer\_press\_final.htm, printed on 6/28/99, the document bears a copyright date of 1999.

"OpenTV(R) and Interactive Channel Form Strategic Alliance to Deliver Interactive Programming to Satellite Television Subscribers", from the Internet at http://www.opentv.com/news/interactivechannelfinal.htm, printed on 6/8/99.

"Prevue Networks and OpenTV(R) Agree to Work Together on Deploying Interactive Program Guides Worldwide", from the Internet at http://www.opentv.com/news/prevuefinal.htm, printed on 6/28/99.

Technical White Paper, "OpenTV™ Operating Environment", (© 1998 OpenTV Inc.), pages 1-12.

Matthew D. Miller, "A Scenario for the Deployment of Interactive Multimedia Cable Television Systems in the United States in the 1990's", proceedings of the IEEE, Vol. 82, No. 4, April 1994, pages 585-589.

European Telecommunication Standard, "Electronic Programme Guide (EPG); Protocol for a TV Guide using electronic data transmission", pp. 1-45, sections 1-11.12.7 and annex A-P, bearing a date of May 1997.

Hartwig, Rautenberg, Bollmann, "Broadcasting and Processing of Program Guides for Digital TV", SMPTE Journal, pp. 727-732, October 1997.

"Enhanced Content Specification", "ATVEF", from the Internet at <a href="http://www.atvef.com/library/spec.html">http://www.atvef.com/library/spec.html</a>, printed 8/22/01, the document bears a Copyright date of 1998, 1999, 2000.

The documents of Sections A, B, and C are listed on the accompanying Form PTO-1449 (submitted in duplicate) and copies are enclosed herewith.

Applicants also wish to bring the following pending U.S. Patent Applications to the attention of the Examiner:

- U.S. Patent Application Ser. No. 09/070,700 (filed 04/30/98)
- U.S. Patent Application Ser. No. 09/536,729 (filed 03/28/00)

In accordance with 37 C.F.R. § 1.98, no copies of these U.S. patent applications need be included with the filing of this paper.

Consideration of the foregoing in relation to this patent application is respectfully requested.



Respectfully submitted,

Scott H. Kaliko

Registration No. 45,786

Agent for Applicants

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NFORMATION DISCLOSURE

| ATTY. DOCKET NO. |  | SERIAL NO.      |  |  |  |
|------------------|--|-----------------|--|--|--|
| UV-192           |  | 09/823,588      |  |  |  |
| APPLICANTS       |  | MATION NO. 6830 |  |  |  |

S. Sean Moore, David Berezowski, Todd A. Walker, and Michael D. Ellis

FILING DATE GROUP March 30, 2001 2661

#### **U.S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE     | NAME             | CLASS | SUBCLASS     | FILING DATE IF APPROPRIATE |
|---------------------|--------------------|----------|------------------|-------|--------------|----------------------------|
|                     | 6,209,129          | 3/27/01  | Carr et al.      | 725   | 42           |                            |
|                     | 6,025,837          | 2/15/00  | Matthews et al.  | 345   | 327          |                            |
| ~                   | 5,838,314          | 11/17/98 | Neel et al.      | 345   | 327          |                            |
|                     | 5,830,068          | 11/3/98  | Brenner et al.   | 463   | 42           | RECEIVED                   |
|                     | 5,805,154          | 9/8/98   | Brown            | 345   | 327          | _                          |
| <del></del>         | 5,781,246          | 7/14/98  | Alten et al.     | 348   | 569          | OCT 3 0 2001               |
|                     | 5,734,853          | 3/31/98  | Hendricks et al. | 395   | 352 <b>7</b> | Chnology Center 2600       |
|                     | 5,699,107          | 12/16/97 | Lawler et al.    | 348   | 13           |                            |
|                     | 5,682,195          | 10/28/97 | Hendricks et al. | 348   | 6            |                            |
| -                   | 5,659,350          | 8/19/97  | Hendricks et al. | 348   | 6            |                            |
|                     | 5,635,978          | 6/3/97   | Alten et al.     | 348   | 7            |                            |
|                     | 5,629,733          | 5/13/97  | Youman et al.    | 348   | 7            |                            |
|                     | 5,600,573          | 2/4/97   | Hendricks et al. | 364   | 514 R        |                            |
|                     | 5,600,364          | 2/4/97   | Hendricks et al. | 348   | 1            |                            |
|                     | 5,589,892          | 12/31/96 | Knee et al.      | 348   | 731          |                            |
|                     | 5,585,858          | 12/17/96 | Harper et al.    | 348   | 485          |                            |
|                     | 5,559,549          | 9/24/96  | Hendricks et al. | 348   | 6            |                            |
|                     | 5,559,548          | 9/24/96  | Davis et al.     | 348   | 6            |                            |
|                     | 5,534,911          | 7/9/96   | Levitan          | 348   | 1            | RECFIVED                   |
|                     | 5,523,796          | 6/4/96   | Marshall et al.  | 348   | 589          |                            |
|                     | 5,485,197          | 1/16/96  | Hoarty           | 348   | 7            | 001307001                  |
|                     | 5,483,278          | 1/9/96   | Strubbe et al.   | 348   | 7            | Technology Center 2100     |
|                     | 5,410,344          | 4/25/95  | Graves et al.    | 348   | 1            | 100miology censer 2100     |
|                     | 5,335,277          | 8/2/94   | Harvey et al.    | 380   | 20           |                            |
|                     | 5,253,066          | 10/12/93 | Vogel            | 348   | 188          |                            |
|                     | 5,223,924          | 6/29/93  | Strubbe          | 358   | 86 ·         |                            |
|                     | 4,694,490          | 9/15/87  | Harvey et al.    | 380   | 20           |                            |

**EXAMINER** 

**DATE CONSIDERED** 

FORM PTO-1449

# U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANTS

| ATTY. DOCKET NO.<br>UV-192                                                                                   | SERIAL NO.<br>09/823,588 |  |
|--------------------------------------------------------------------------------------------------------------|--------------------------|--|
| APPLICANTS CONFIRMATION NO. 6830<br>S. Sean Moore, David Berezowski,<br>Todd A. Walker, and Michael D. Ellis |                          |  |
| FILING DATE                                                                                                  | GROUP                    |  |

March 30, 2001

2661

FOREIGN PATENT DOCUMENTS

|          |                 | FOREIGN P | ATENT DOCUM | MENIS  |             |             |               |
|----------|-----------------|-----------|-------------|--------|-------------|-------------|---------------|
| EXAMINER |                 | D.4.7.0   |             | 01.400 | OLIBOL AGO  | TRANSLATION |               |
| INITIAL  | DOCUMENT NUMBER | DATE      | COUNTRY     | CLASS  | SUBCLASS    | YES         | NO            |
|          | WO 01/58158     | 8/9/01    | PCT         | H04N   | 7/16        |             |               |
|          | WO 01/50743     | 7/12/01   | PCT         | H04N   | 5/445       |             |               |
|          | WO 01/46869     | 6/28/01   | PCT         | G06F   | 17/30       |             |               |
|          | WO 01/19086     | 3/15/01   | PCT         | H04N   | 7/24        |             |               |
|          | WO 00/79798     | 12/28/00  | PCT         | H04N   | 7/173       | RECE        | VED           |
| •        | WO 00/02380     | 1/13/00   | PCT         | H04N   | 5/00        | DCT a       | · LU          |
| *****    | WO 99/60789     | 11/25/99  | PCT         | H04N   | 7/16        | OCT 3 0     | 2001          |
|          | WO 99/60783     | 11/25/99  | PCT         | H04N   | 5/445 rechr | ology Cent  | r 2600        |
|          | WO 99/56466     | 11/4/99   | PCT         | H04N   | 5/445       |             | 2000          |
|          | WO 99/45702     | 9/10/99   | PCT         | H04N   | 5/445       |             |               |
|          | WO 99/45700     | 9/10/99   | PCT         | H04N   | 5/445       |             |               |
|          | WO 99/30491     | 6/17/99   | PCT         | H04N   | 5/445       |             |               |
|          | WO 98/39893     | 9/11/98   | PCT         | H04M   |             |             |               |
|          | WO 98/27723     | 6/25/98   | PCT         | H04N   | 5/445       |             |               |
|          | WO 98/06219     | 2/12/98   | PCT         | H04N   | 7/10        |             |               |
|          | WO 98/00976     | 1/8/98    | PCT         | H04N   | 7/173       |             |               |
|          | WO 98/00975     | 1/8/98    | PCT         | H04N   | 7/173       |             |               |
| -        | WO 97/49242     | 12/24/97  | PCT         | H04N   | 7/10        |             |               |
|          | WO 97/48230     | 12/18/97  | PCT         | H04N   | 7/00        |             |               |
|          | WO 97/42763     | 11/13/97  | PCT         | H04N   | 7/173       |             |               |
|          | WO 97/29458     | 8/14/97   | PCT         | G06T   | 13/00       | DE          |               |
|          | WO 97/19555     | 5/29/97   | PCT         | H04N   | 7/16        | 115         | EIVED         |
|          | WO 96/41478     | 12/19/96  | PCT         | H04N   | 7/173       | OCT         | 3 0 2001      |
|          | WO 96/34491     | 10/31/96  | PCT         | H04N   | 7/025       |             |               |
|          | WO 94/14284     | 6/23/94   | PCT         | H04N   | 7/16        | rechnolog   | y Center 2100 |

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INFORMATION DISCLOSURE STATEMENT BY APPLICANTS

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APPLICANTS CONFIRMATION NO. 6830
S. Sean Moore, David Berezowski,

Todd A. Walker, and Michael D. Ellis
FILING DATE GROUP

FILING DATE GROUI March 30, 2001 2661

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| EXAMINER INITIAL |                                                                                                                                                                                                                                                                            |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  | "OpenTV Launches OpenStreamer™ Technology for Broadcasters to Deliver First Ever Real-Time Digital Interactive Television", from the Internet at http://www.opentv.com/news/openstreamer_press_final.htm, printed on 6/28/99, the document bears a copyright date of 1999. |
|                  | "OpenTV(R) and Interactive Channel Form Strategic Alliance to Deliver Interactive Programming to Satellite Television Subscribers", from the Internet at http://www.opentv.com/news/interactivechannelfinal.htm, printed on 6/8/99.                                        |
|                  | "Prevue Networks and OpenTV(R) Agree to Work Together on Deploying Interactive Program Guides Worldwide", from the Internet at http://www.opentv.com/news/prevuefinal.htm, printed on 6/28/99.                                                                             |
|                  | Technical White Paper, "OpenTV™ Operating Environment", (© 1998 OpenTV Inc.), pages 1-12.                                                                                                                                                                                  |
|                  | Matthew D. Miller, "A Scenario for the Deployment of Interactive Multimedia Cable Television Systems in the United States in the 1990's", proceedings of the IEEE, Vol. 82, No. 4, April 1994, pages 585-589.                                                              |
|                  | European Telecommunication Standard, "Electronic Programme Guide (EPG); Protocol for a TV Guide using electronic data transmission", pp. 1-45, sections 1-11.12.7 and annex A-P, bearing a date of May 1997.                                                               |
|                  | Hartwig, Rautenberg, Bollmann, "Broadcasting and Processing of Program Guides for Digital TV", SMPTE Journal, pp. 727-732, October 1997.                                                                                                                                   |
|                  | "Enhanced Content Specification", "ATVEF", from the Internet at <a href="http://www.atvef.com/library/spec.html">http://www.atvef.com/library/spec.html</a> , printed 8/22/01, the document bears a Copyright date of 1998, 1999, 2000.                                    |

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